



Xerox Docket No. D/A0086

**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Christopher D. BLAIR et al.

Application No.: 09/584,373

Filed: May 31, 2000

For: ROLL HAVING GLASS COATING

Group Art Unit: 1775

Examiner: G. Blackwell-Rudasill

Docket No.: 105732

**REQUEST FOR RECONSIDERATION**

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

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**TC 1700**

Sir:

In reply to the Office Action mailed April 25, 2002, and further to the personal interview between Applicants' representative and Supervisory Examiner Jones conducted on July 9, 2002, reconsideration of the rejections is respectfully requested in light of the following remarks.

**I. Personal Interview**

Applicants appreciate the courtesies shown to Applicants' representative by Supervisory Examiner Jones in the July 9 personal interview. Applicants' separate record of the substance of the interview is incorporated into the following remarks. (a) Supervisory Examiner Jones explained that upon disposition of claims 1-26 drawn to a roll, that rejoinder of claims 27-41, drawn to a method of making a roll, would be considered; (b) Applicants' representative pointed to particular distinctions between the present application and the applied references; and (c) Applicants' representative would consider amending claim 27 to depend from claim 1.

## **II. Formal Matters**

Claims 1-41 are pending. Claims 1, 2, 5, 6, 10-15, 18, 19 and 23-26 are rejected. Claims 3, 4, 7-9, 16, 17 and 20-22 are objected to. Claims 27-41 are withdrawn from consideration.

The Office Action maintains the restriction between the article claims 1-26 and the process claims 27-41. Applicants respectfully request rejoinder of the process claims upon determination of allowance of the article claims. While Applicants have considered amending claim 27 to depend from claim 1, Applicants respectfully decline the invitation at this time.

Applicants gratefully acknowledge that claims 3, 4, 7-9, 16, 17 and 20-22 contain allowable subject matter. However, Applicants decline to rewrite the allowable claims into independent form at this time, and instead respectfully assert that all apparatus claims are in condition for allowance.

## **III. Pending Claims 1-41 Define Patentable Subject Matter**

The Office Action rejects claims 1, 2, 5, 11 and 12 under 35 U.S.C. §102(b) as being anticipated by United States Patent 5,697,029 to Saitoh et al. Applicants respectfully traverse the rejection.

Saitoh does not teach or disclose a roll comprising a core and a coating comprising a glass material provided over the core, wherein the glass material can be electrically charged and discharged, as recited in claim 1.

Instead, Saitoh teaches a developing roller having a magnet roller and a cylindrical sleeve, with a coating formed on the outer surface of the sleeve. The coating is composed primarily of a metal, alloy, metal nitride, metal oxide, metal carbide or metal sulfide. The coating may also include an organic component. See column 3, lines 8-28 of Saitoh. A glass

material, on the other hand, typically comprises silica and/or soda, which generally represent inorganic non-metal compounds.

While Saitoh describes a quartz glass coating in Comparative Example 2, this material indicated unsatisfactory results. In particular, Saitoh cites that “no clear print image” was obtained from the developing roller with a quartz glass sleeve. See column 5, lines 2-3 and 30-36 of Saitoh. Thus, Saitoh teaches away from the present invention. Further, Saitoh has no mention of the quartz glass being electrically chargeable or dischargeable, as recited in claim 1.

Thus, Saitoh does not teach or disclose all the features of claim 1. Accordingly, Saitoh fails to anticipate the subject matter of claims 1-41 under 35 U.S.C. §102(b). Applicants respectfully request withdrawal of the §102 rejection of claims 1, 2, 5, 11 and 12 as anticipated by Saitoh.

The Office Action also rejects claims 1, 6, 10, 13-15, 18-19 and 23-26 under 35 U.S.C. §103(a) as being unpatentable over Saitoh in view of United States Patent 5,805,964 to Badesha et al. Applicants respectfully traverse the rejection.

Badesha does not teach or suggest a roll comprising a core and a coating comprising a glass material provided over the core, wherein the glass material can be electrically charged and discharged, as recited in claim 1. Nor does Badesha teach, disclose or suggest the features lacking in Saitoh as outlined above.

Instead, Badesha teaches an electrode member coated with a material that reduces toner particle attraction to the electrode member and does not adversely interfere with mechanical or electrical properties of the electrode member. See column 8, lines 63-66 of Badesha. There is no teaching or suggestion in Badesha for coating a roll with a glass material, especially one that can be electrically charged and discharged. In addition, the

preferred inorganic materials Badesha identifies include primarily metal oxides and metal silicates, rather than silicate as recited in claim 2. See column 9, lines 20-35 of Badesha.

Neither Saitoh nor Badesha, either separately or in combination, teach, disclose or suggest all the features recited in claims 1-41. Thus, the combination of Saitoh and Badesha fails to render obvious the subject matter of claims 1-41.

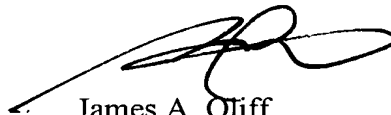
Withdrawal of the rejection of claims 1, 6, 10, 13-15, 18-19 and 23-26 as unpatentable over the combination of Saitoh and Badesha is respectfully requested.

#### **IV. Conclusion**

In view of the foregoing amendments and remarks, Applicants submit that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-41 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,



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Date: July 15, 2002

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